Title (en)

FRACTURE SENSING SYSTEM AND METHOD

Title (de)

FRAKTURMESSSYSTEM UND -VERFAHREN

Title (fr)

MÉTHODE ET SYSTÈME DE DÉTECTION DE FRACTURE

Publication

EP 2900910 A1 20150805 (EN)

Application

EP 12787942 A 20121011

Priority

US 2012059646 W 20121011

Abstract (en)

[origin: WO2014058425A1] A fracture sensing system and method is disclosed herein. The method may include positioning a transmitter and a receiver in a borehole and magnetizing a casing disposed within the borehole to magnetically saturate the casing. The transmitter and receiver may be located inside or outside of the casing. The method may also include inducing with the transmitter an electromagnetic field in a formation surrounding the borehole. The method may also comprise receiving the induced electromagnetic field at the receiver. The induced electromagnetic field may identify a fracture within the formation based, at least in part, on a contrast agent within the fracture.

IPC 8 full level

E21B 43/26 (2006.01); **E21B 47/09** (2012.01); **E21B 47/10** (2012.01); **G01V 3/26** (2006.01)

CPC (source: EP US)

E21B 43/26 (2013.01 - EP US); **E21B 47/026** (2013.01 - US); **E21B 47/09** (2013.01 - US); **E21B 47/092** (2020.05 - EP US); **E21B 47/11** (2020.05 - EP US); **G01V 3/26** (2013.01 - EP US)

Citation (search report)

See references of WO 2014058425A1

Citation (examination)

WO 2009151891 A2 20091217 - HALLIBURTON ENERGY SERV INC [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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US 2012059646 W 20121011; AU 2012392171 A 20121011; BR 112015007932 A 20121011; CA 2887858 A 20121011; EP 12787942 A 20121011; MX 2015004601 A 20121011; US 201214434084 A 20121011